

## SECTION 09690

### CARPET TILE

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Carpet tiles, glue down adhesion.
- B. Accessories.

##### 1.2 SUBMITTALS

- A. Submit the following in accordance with the requirements of Section 01300.
  - 1. Catalog data on specified products, describing physical [and performance] characteristics; sizes, patterns, [colors available,] and method of installation.
  - 2. Manufacturer's certificate indicating that products meet or exceed the specified requirements and tests.
  - 3. Manufacturer's installation instructions indicating procedures for installing carpet products and accessories.
  - 4. Four carpet tiles illustrating color [and pattern design] for each carpet color selected.
  - 5. Shop drawings indicating layout of joints, direction of carpet weave and cut tiles.
  - 6. Maintenance data describing spot removal and maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning and shampooing.
  - 7. Project warranty for all labor and materials, signed by Contractor, Installer and Manufacturer agreeing to repair or replace defective materials and workmanship of carpet installation during a [2] year period following final acceptance. Provide 10 year warranty against wear and lifetime warranty against loss of anti-static properties.

##### 1.3 QUALITY ASSURANCE

- A. Provide products of a company that specializes in manufacturing the projects specified in the Section.
- B. Use an installer approved by the manufacturer.
- C. Use an installer that has successfully completed at least [10] projects of similar size and scope to this project.

##### 1.4 REGULATORY REQUIREMENTS

- A. Carpet tile, including backing, shall pass methenamine pill test in accordance with ASTM D2859.
- B. Carpet tile, including backing and accessories, shall have a minimum Class II rating, with a minimum critical radiant flux of 0.22 W/sq cm when tested according to ASTM E648 (NFPA 253) Radiant Panel Test.

- C. Carpet tile shall have an electro-static propensity rating of no more than 2.0 kV when tested in accordance with AATCC-134.
- [D. Carpet shall have an electrical resistance in the range of 10 to the ninth to 25,000 ohms based on NFPA Sec. 99.]
- [E. Carpet shall pass Decay Test FSTM 4046 for dissipating electrical charges.]
- [F. Carpet shall pass FTMS S01A/3231 for stain resistance with no noticeable stain.]
- [G. Carpet shall pass physical strength test ASTM D1335 with a tuft bind of 7 pounds.]
- [H. Carpet shall complete abrasion test ASTM D1175 with no appreciable sign of pilling or fuzzing.]
- [I. Carpet shall pass ASTM-138(DDD C95A) for dimensional stability and have a grey scale of 4 or better for colorfastness.]
- [J. Carpet shall have a grey scale rating of at least 4 after completing AATCC 16E.]

#### 1.5 ENVIRONMENTAL REQUIREMENTS

- A. Store materials for 3 days prior to installation in area of installation, to achieve temperature stability.
- B. Maintain minimum 70 degrees F ambient temperature three days prior to, during, and 24 hours after installation of materials.

#### 1.6 EXTRA MATERIALS

- A. Provide [10 percent] of required quantity of carpet tiles of each color selected in their original containers.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS - CARPET TILE

- A. [ ] Style [ ].
- B. [ ] Style [ ].
- C. [ ] Style [ ].

#### 2.2 CARPET TILE

- A. Carpet shall conform to the following criteria:

Construction	Tufted or Fusion Bonded
Pile Fiber	[BSF] [ANTRON]
Pile Height	[.125 to .3] inch
Face/Pile Weight	[28] oz/sq yd, minimum
Gage	[1/10 inch]
Stitch/inch	[10 - Cut] [8 - Loop]
Primary and Secondary Backing	Synthetic

- B. Provide carpet manufactured in 1 dye lot.

- [C. Color (s) will be selected by the University from the manufacturer's standard colors.]

## 2.3 ACCESSORIES

- A. Sub-Floor Filler: [White premix latex] [ ]; type recommended by carpet manufacturer for specific substrate material.
- B. Carpet Edge Guard, Metallic: Extruded aluminum bend-down type edge guard with concealed gripper teeth and minimum 1 1/2 inch wide anchorage flange and minimum 5/8 inch wide face flange. Provide with anodized aluminum finish of colors selected by the University from among standard colors available within the industry.
- C. Carpet Edge Guard, Non-metallic: Extruded or molded heavy-duty vinyl or rubber carpet edge guard of size and profile indicated, with a minimum 2 inch wide anchorage flange; colors selected by the University from among standard colors available within the industry.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify that substrate surfaces are smooth and flat with maximum variation of 1/8 inch in 10 feet and are ready to receive work before beginning installation.
- B. Verify concrete floors are dry to a maximum moisture content of [7] percent; and do not exhibit alkalinity, carbonization, or dusting before beginning installation.

### 3.2 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill low spots, cracks, and other defects with sub-floor filler.
- B. Apply, trowel, and float filler to leave smooth, flat, hard surface.
- C. Prohibit traffic until filler is cured.
- D. Vacuum floor surface.

### 3.3 INSTALLATION

- A. Install carpet tile [accessories] and adhesive in accordance with manufacturers' instructions.
- B. Integrate and blend carpet tiles from different cartons to ensure minimal variation in color match.
- C. Cut carpet tiles straight. Fit carpet tight to intersection with vertical surfaces without gaps.
- D. Lay out carpet tile to [linear] pattern.
- E. Locate change of color or pattern between rooms under door centerline.
- F. Install carpet tile with nap running in same direction.

### 3.4 CLEANING

- A. Remove excess adhesive from surfaces.
- B. Clean and vacuum carpet surfaces.

### 3.5 PROTECTION OF FINISHED WORK

- A. Do not permit traffic over unprotected floor surface.
- B. Protect installed carpet tiles with a non-staining building paper. Do not use plastic or any other moisture barrier.

Manufacturer:

- 1. Seekure.

### 3.6 SCHEDULES

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Provide a schedule when different carpet types or colors are utilized. the following examples may assist in developing such a schedule.

- A. Foyer: 24 x 24 inch tiles, Type A, scarlet.

- B. Corridor 110: 24 x 24 inch tiles, Type B, cream.

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END OF SECTION